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DIRECTOR OF CENTRAL INTELLIGENCE  
Committee on Imagery Requirements and Exploitation  
Washington, DC 20505

[REDACTED] STAT

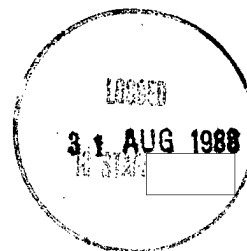
ICS-2256/88  
29 August 1988

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MEMORANDUM FOR: [REDACTED]

Chief, SAS/CPG/OD&amp;E

SUBJECT: RMS Prototyping Requirement (U)



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1. Per direction from [REDACTED] Chairman, COMIREX, I am officially stating the COMIREX Staff requirement that prototyping of RMS functionality be incorporated within the RMS Program. COMIREX feels that prototyping is an integral and necessary part of the RMS development activity. We must identify and fix as many user-defined problem areas as possible before system delivery. If done efficiently, it will be easier and less costly to fix these potential problems prior to delivery. In this memorandum, I include our definition of prototyping and the functions that we believe need to be prototyped. In our judgement prototyping should be disbursed throughout the total development cycle of RMS commencing with the pre-acquisition phase. (U)

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2. Our definition of prototyping focuses on a preliminary presentation to the user of the functionality being built into RMS. The presentation of the functionality should be automated and represent an operational simulation of the system such that a user can evaluate the completeness and usability and also express his preferences prior to committing the system to an operational version. We will provide any operational data needed to assist in this process. (U)

3. As I noted in the first paragraph, it is our judgement that the prototyping process should be disbursed throughout the total cycle from pre-acquisition through development. We see prototyping of RMS functionality consisting of four phases; technical feasibility, functional validation, functional definition of requirements, and user preference. The phases and examples of the functionality recommended for prototyping are listed below.

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We recognize that the process described here is only one approach to obtain our goal. If your office or any of your contractors have other approaches which you believe we should evaluate, we welcome the opportunity.

Technical feasibility:

- User Support Tool Interfaces
- Conditional Tasking
- Graphics
- Security
- Collection Feasibility

Functional validation of requirements:

- Nomination Creation
- Nomination Creation Tools
- Queries

Functional definition of requirements:

- Help Functions
- Tutorials

User preference:

- Error Messages
- System Messages
- Report Formats
- Screen Formats (U)

4. I request that you provide us with a plan on how to best implement a prototyping capability within the RMS Program. It is imperative that this plan include a projection of the associated costs and schedule and be presented at the 13 September meeting so we can evaluate this cost in light of all other requirements. If necessary, COMIREX is willing to trade requirements to support this very important activity. In accordance with our position that this activity should begin soonest, I would expect to see the plan accommodate a start of no later than 1 October 1988. COMIREX will develop a plan for providing the Community users to participate in this prototyping effort. (U)

5. If there are any questions or additional information required please contact either  (U)

Chief, DEEG/COMIREX Staff

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